

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P303028

Luminaire Tested: **CTW-F-0100-40L940-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303028
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-0100-40L940-UNV-STD-8
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

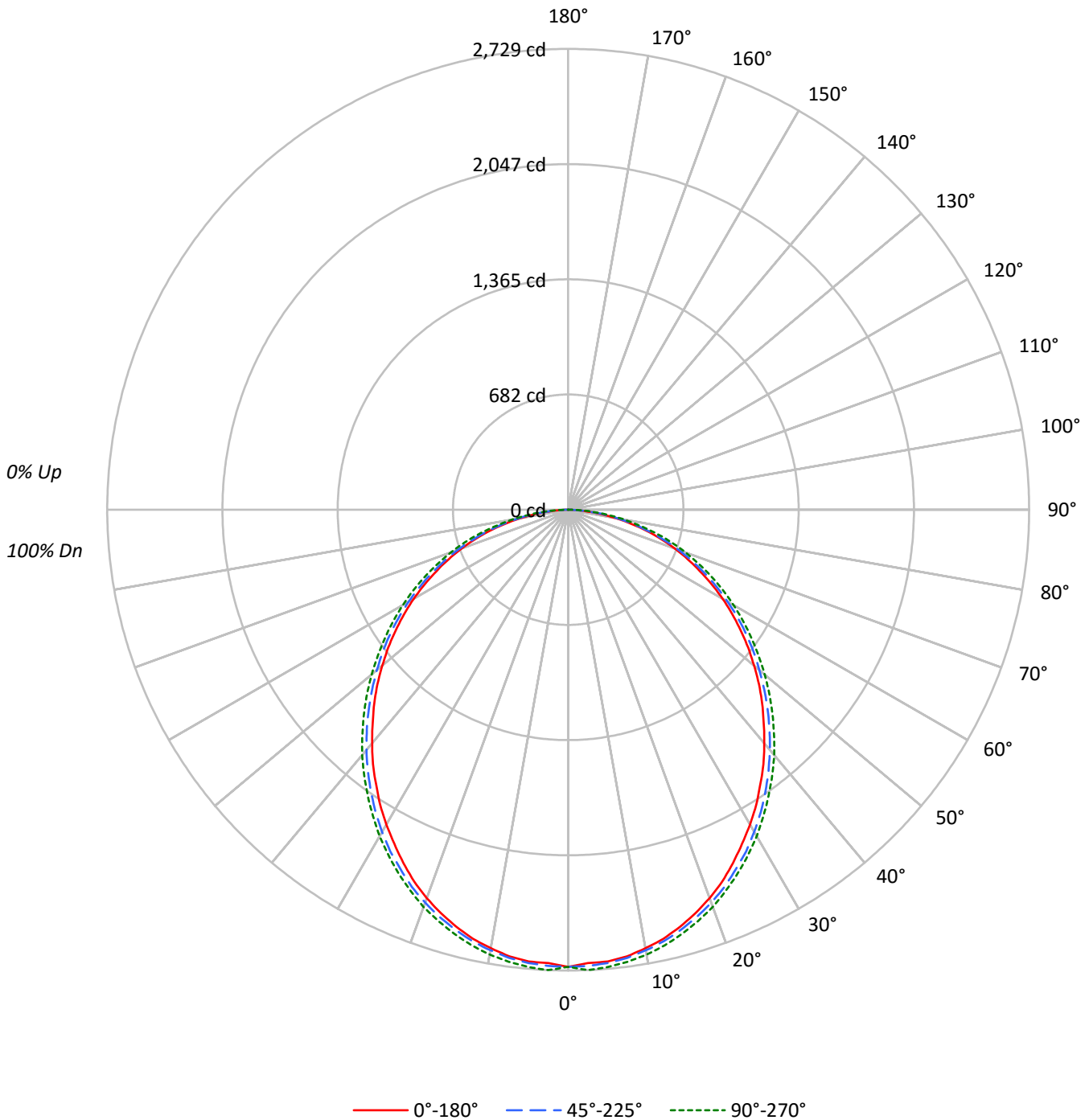
Lumens per Lamp: N/A
Luminaire Lumens: 7311.9 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Direct

Input Watts (W): 73.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	83	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41	52	46	40	51	45	40	38
7	65	52	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29139	29139	29139
5°	29017	29114	29367
10°	28821	28959	29234
15°	28502	28703	28983
20°	28040	28370	28679
25°	27407	27898	28219
30°	26757	27384	27742
35°	26065	26751	27177
40°	25368	26102	26658
45°	24715	25400	26030
50°	24053	24747	25440
55°	23409	24152	24828
60°	22746	23483	24335
65°	21914	22739	23794
70°	21130	21866	23226
75°	19838	20736	22308
80°	17518	18856	20865
85°	12671	14894	18674



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.5	3.5
10°-20°	724.6	9.9
20°-30°	1076.1	14.7
30°-40°	1265.1	17.3
40°-50°	1283.0	17.5
50°-60°	1148.7	15.7
60°-70°	885.7	12.1
70°-80°	528.5	7.2
80°-90°	144.6	2.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2056.3	28.1
0°-40°	3321.4	45.4
0°-60°	5753.0	78.7
0°-90°	7311.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7311.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2707	2707	2707	2707	2707	
5°	2686	2686	2694	2686	2718	255
15°	2558	2561	2576	2567	2601	721
25°	2308	2311	2349	2344	2376	1063
35°	1984	1989	2036	2038	2068	1242
45°	1624	1629	1669	1687	1710	1253
55°	1247	1256	1287	1310	1323	1116
65°	860	869	893	918	934	853
75°	477	481	499	517	536	503
85°	103	106	121	140	151	125
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2707.1	2707.1	2707.1	2707.1	2707.1
2.5°	2687.3	2698.1	2703.5	2696.3	2728.7
5°	2685.5	2685.5	2694.5	2685.5	2717.9
7.5°	2667.5	2667.5	2676.5	2667.5	2699.9
10°	2636.9	2638.7	2649.5	2642.3	2674.7
12.5°	2602.7	2600.9	2617.1	2608.1	2642.3
15°	2557.7	2561.3	2575.7	2566.7	2600.9
17.5°	2505.5	2510.9	2528.9	2519.9	2554.1
20°	2447.9	2449.7	2476.7	2465.9	2503.7
22.5°	2383.2	2381.4	2417.4	2408.4	2440.8
25°	2307.6	2311.2	2349.0	2343.6	2376.0
27.5°	2230.2	2235.6	2280.6	2271.6	2305.8
30°	2152.8	2156.4	2203.2	2196.0	2232.0
32.5°	2071.8	2075.4	2122.2	2120.4	2151.0
35°	1983.6	1989.0	2035.8	2037.6	2068.2
37.5°	1899.0	1900.8	1947.6	1953.0	1983.6
40°	1805.4	1812.6	1857.6	1866.6	1897.2
42.5°	1713.6	1720.8	1764.0	1776.6	1803.6
45°	1623.6	1629.0	1668.6	1686.6	1710.0
47.5°	1531.8	1535.4	1573.2	1593.0	1614.6
50°	1436.4	1443.6	1477.8	1497.6	1519.2
52.5°	1342.8	1350.0	1384.2	1404.0	1420.2
55°	1247.4	1256.4	1287.0	1310.4	1323.0
57.5°	1152.0	1161.0	1189.8	1213.2	1227.6
60°	1056.6	1065.6	1090.8	1116.0	1130.4
62.5°	957.6	968.4	991.8	1018.8	1033.2
65°	860.4	869.4	892.8	918.0	934.2
67.5°	765.0	774.0	793.8	817.2	835.2
70°	671.4	676.8	694.8	718.2	738.0
72.5°	576.0	581.4	595.8	617.4	639.0
75°	477.0	480.6	498.6	516.6	536.4
77.5°	378.0	381.6	397.8	417.6	433.8
80°	282.6	288.0	304.2	322.2	336.6
82.5°	189.0	192.6	212.4	230.4	241.2
85°	102.6	106.2	120.6	140.4	151.2
87.5°	27.0	28.8	37.8	55.8	68.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)